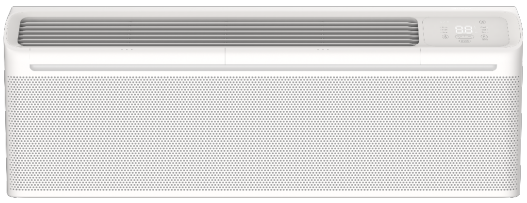
SUBMITTAL DATA SHEET

Series Name: Regular Heatpump Inverter Series
Model Number:

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



EFFICIENCY			
Cooling		Heating	
EER2	11.6	COP	3.9
SEER2	20.0	HSPF2	9.8
SCP	20.5	SHP	10.0

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	12,000
Min/Max Capacity	5,000 ~ 14,500
Moisture Removal (L/h)	0
Standard Operating Range (℉/℃)	32~135 (0～57)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	12,000
1. @ 47°F Min/Max Capacity	4,000 ~ 13,200
2. @ 17°F Rated	12,000
3. @ 5°F Rated: Capacity / COP	12000/2.1
4. @ -4°F Capacity	10,000
5. @ -13°F Capacity	8,500
6. @ -22°F Capacity	7,200
Standard Operating Range(°F/℃)	-30～30 (31.7466)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

INDOOR SPECIFICATION	
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	376 / 318 / 265
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	48.5/ 44.5 / 40 /31.5

OUTDOOR SPECIFICATION	
Outdoor Air Flow (Max) (CFM)	624/494/424
Outdoor Noise Level (dBA)	63/58.5/53.5
Compressor Type	ROTARY
Compressor Model	KSN140D58UFZ
Compressor Brand	GMCC
Refrigerant	R32
Refrigerant	0.9
Refrigerant Oil Charge (mL)	440
Refrigerant Oil	ESTER OIL VG74

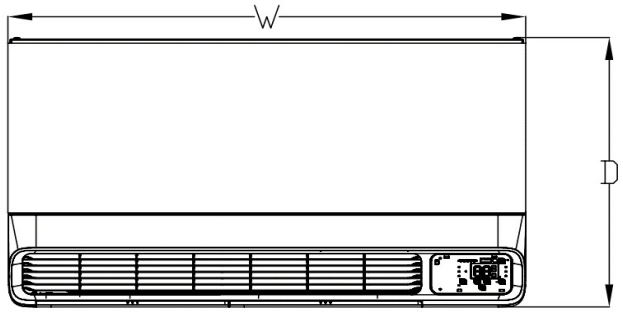
UNIT SPECIFICATION		
Dimension (W×D×H)	inch	42x21x16
	mm	1067x532x406
Package (W×D×H)	inch	44 1/8x24 3/8x19 1/4
	mm	1120x620x490
Net/Gross Weight	lbs	112.88/122.14
	kg	51.2/55.4

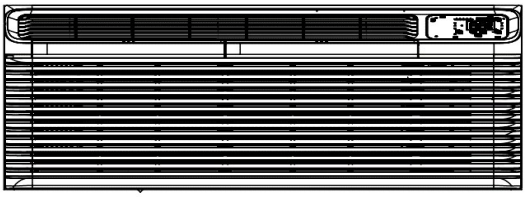
INDOOR SPECIFICATION	
Indoor Power Supply	208/230V,60Hz,1Ph
Outdoor Fan Motor RLA	0.35
Outdoor Fan Motor W	77
Indoor Fan Motor RLA	0.12
Indoor Fan Motor W	42
System Power Input @ Cooling (W)	1030
System Power Input @ Heating (W)	900

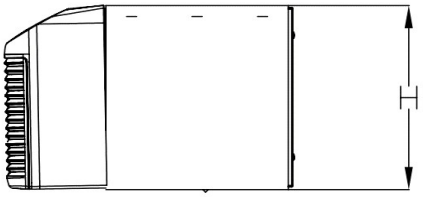
PERFORMANCE of Electric Heating	
3.5kw Electric Heating (Btu/hr)	
Heating Capacity	10900/8900
Electric Heating Input	3550/2900
Electric Heating Current	15.5/14.0
Plug type	LCDI(6-20P)

Indoor Unit Dimension

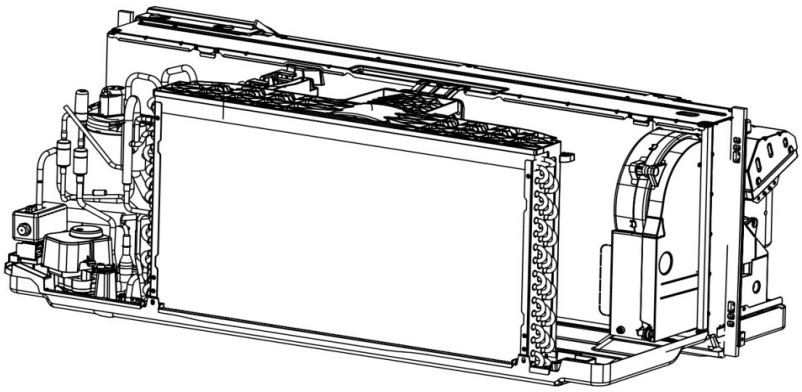
Unit: inch, mm







	inch	mm
W	42.0	1067
D	20.9	532
H	15.9	406



Features

- HP operate low to -22F
- Performance 100% cooling capacity @ 115°F（46°C）
- Performance 100% heating capacity @ 5°F（-15°C）
- Inverter/Variable Speed Compressor
- R-32
- Improve Sound/Insulation
- Improve Serviceability
- Dehum mode in algorithm
- Humidity sensor

+ Optional Thermostat
+ Optional STC ≥31